

Extract from *Xenopus* eggs provides
a rich source of cellular material

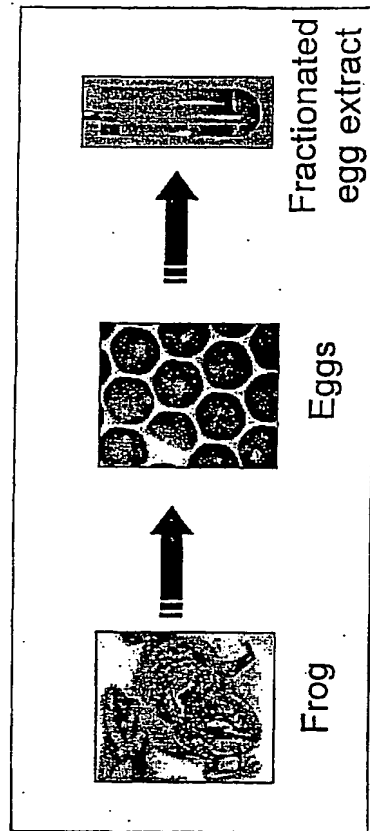
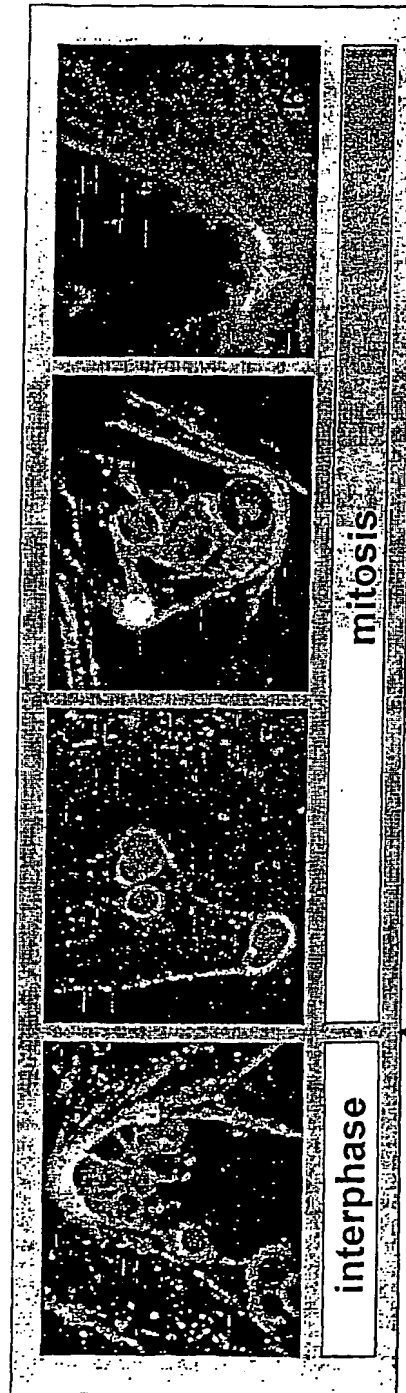
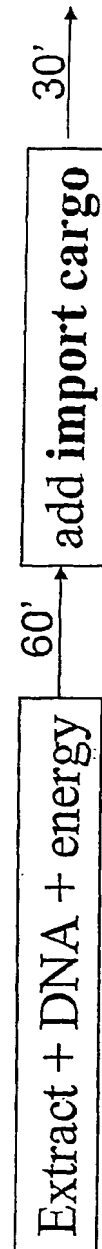


FIG. 1

Xenopus egg extract recapitulates
nuclear assembly and disassembly events



DNA
import cargo
membranes

add cyclin

FIG. 2

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Focus on Nup153 Zn finger domain: tools to probe function

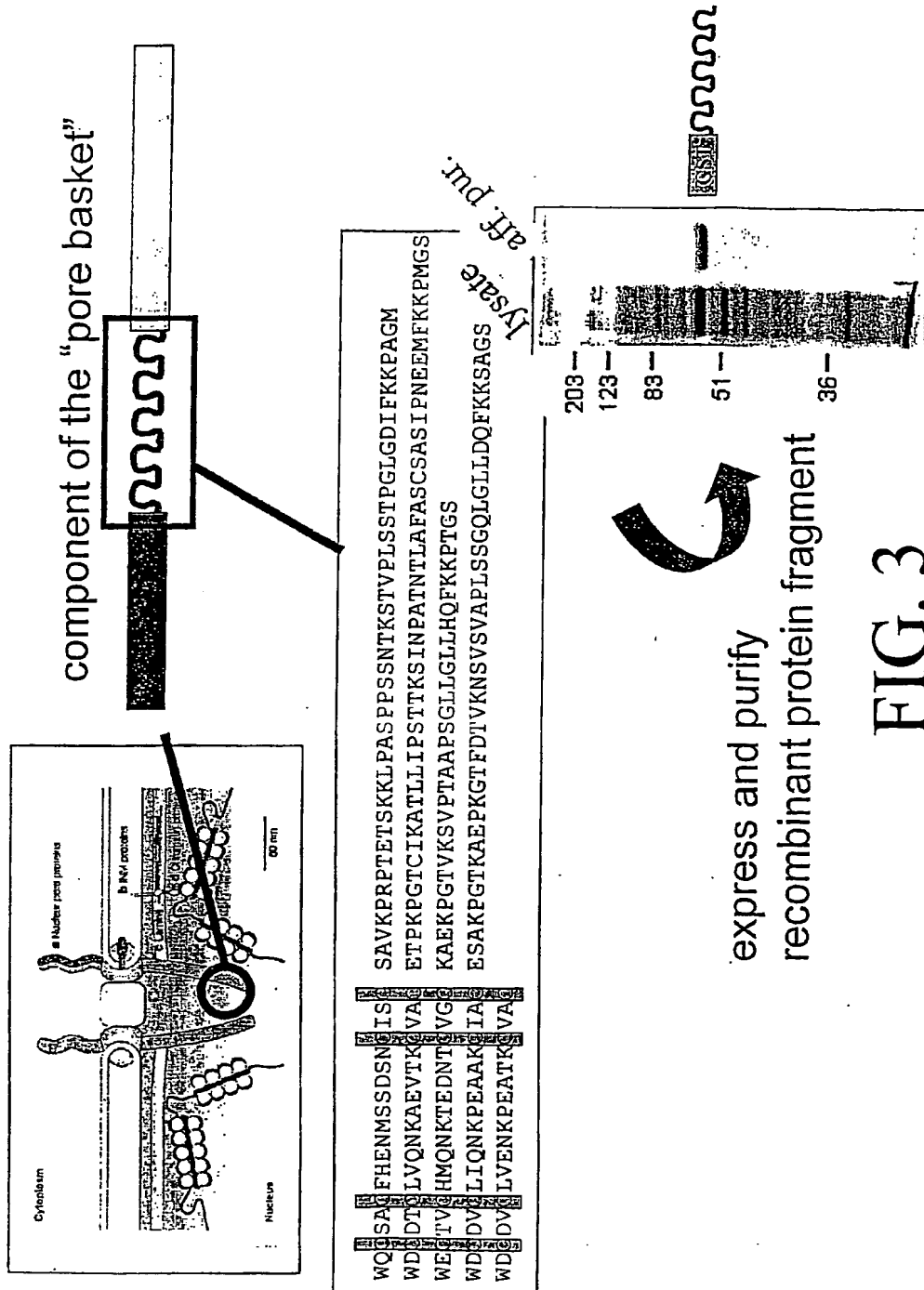


FIG. 3

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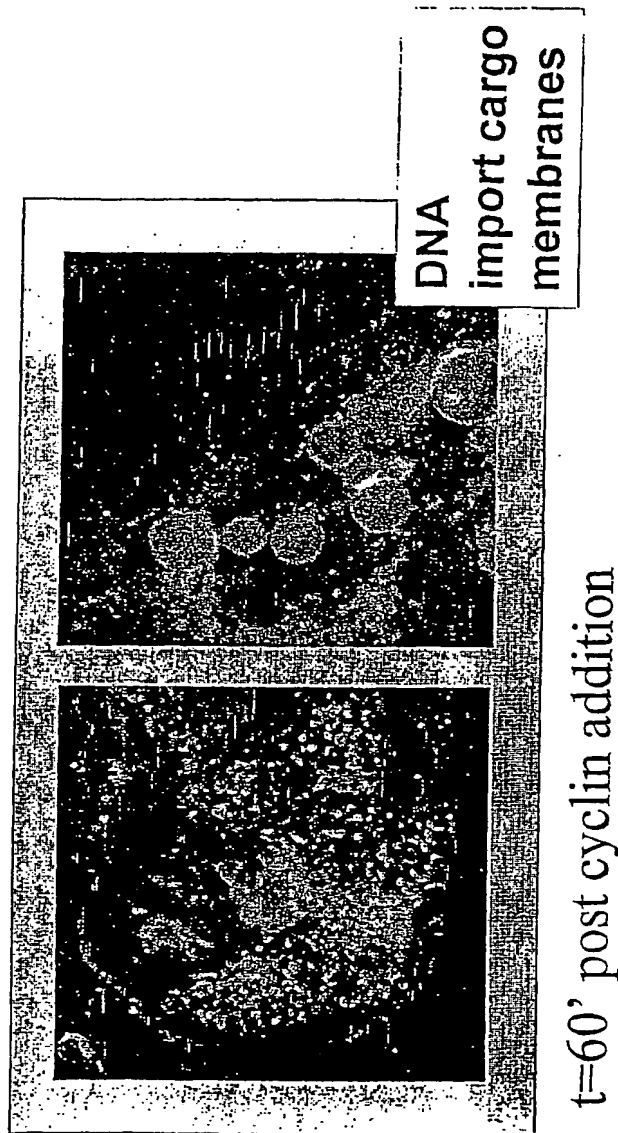
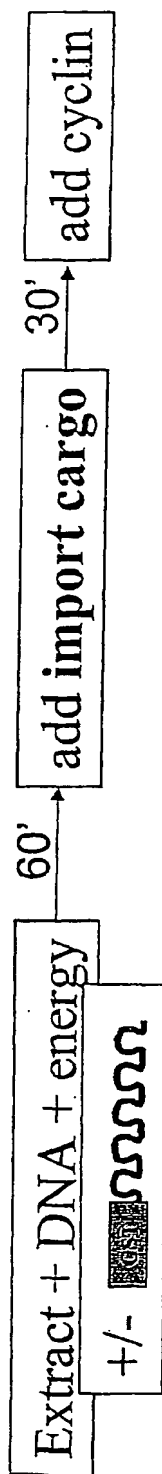
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FIG. 4

Nup153 Zn Finger fragment interferes with nuclear disassembly



Nup153-specific antibodies

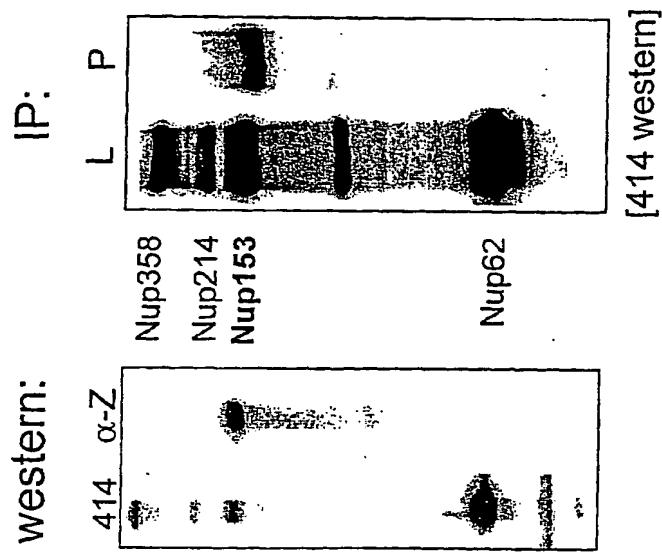


FIG. 5

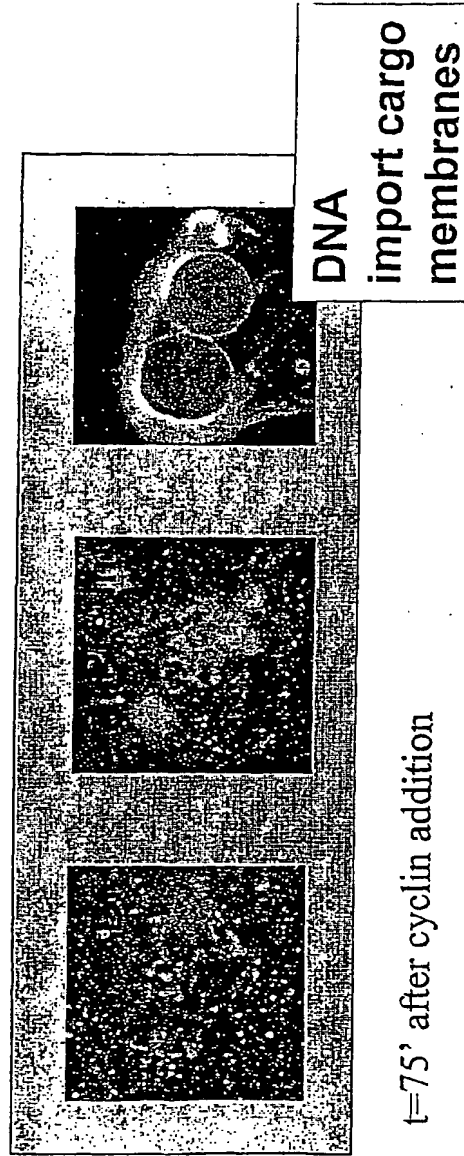
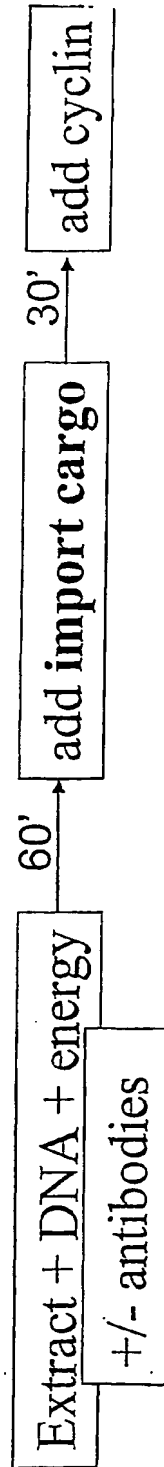
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Antibodies directed toward the Zn fingers of Nup153
block nuclear envelope breakdown



t=75' after cyclin addition

FIG. 6

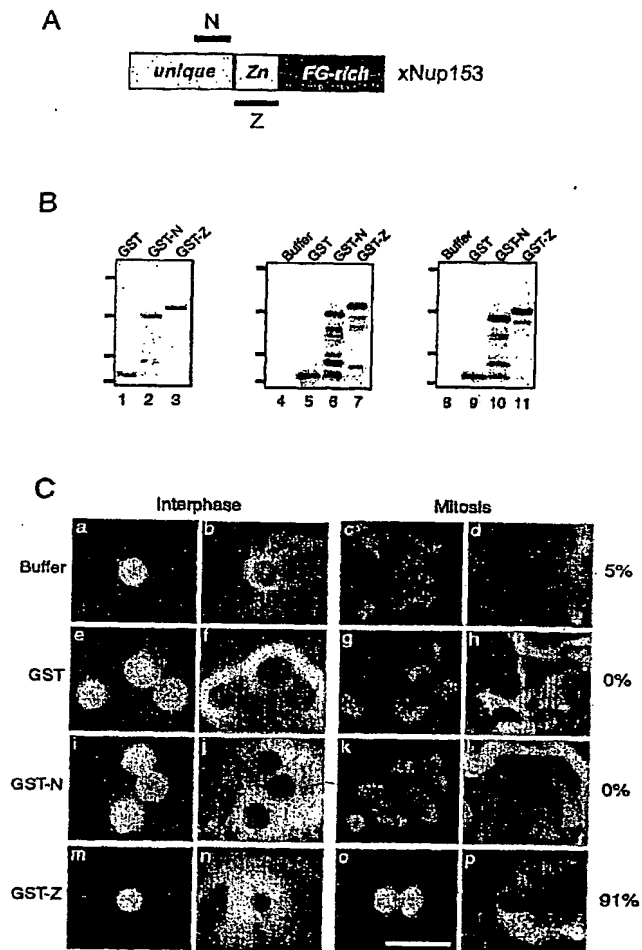


FIG. 7

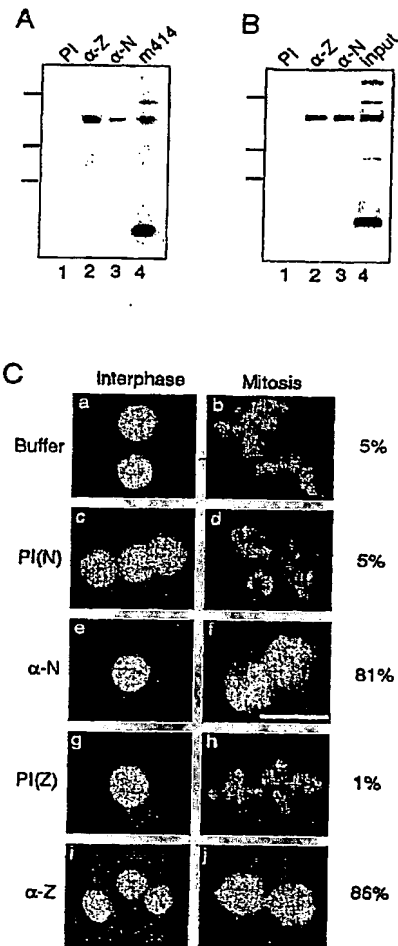


FIG. 8

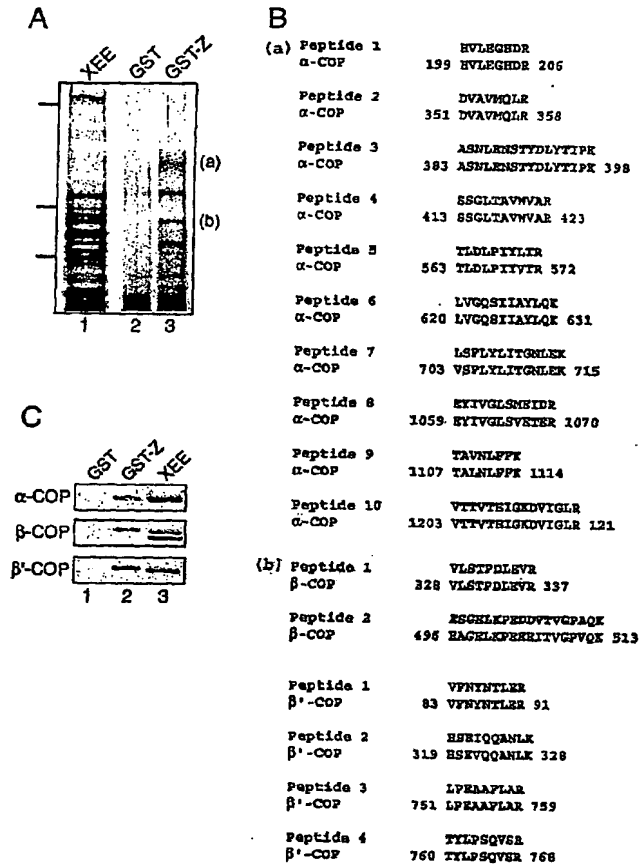


FIG. 9

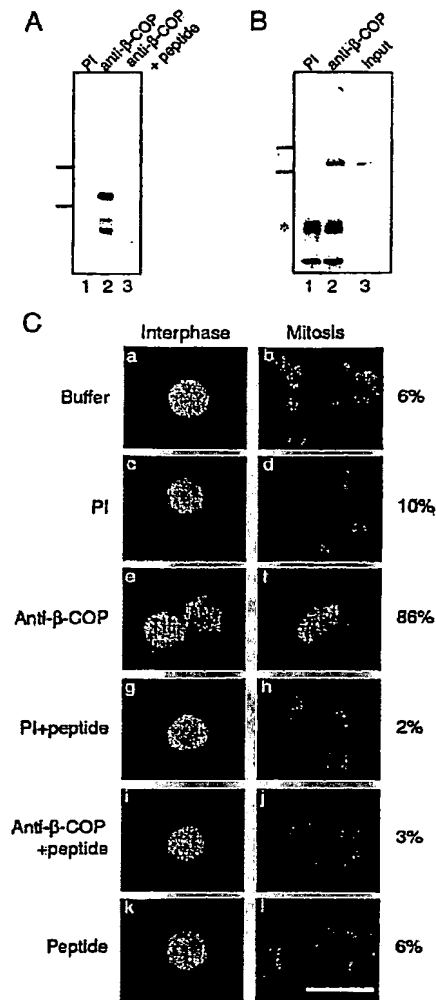


FIG. 10

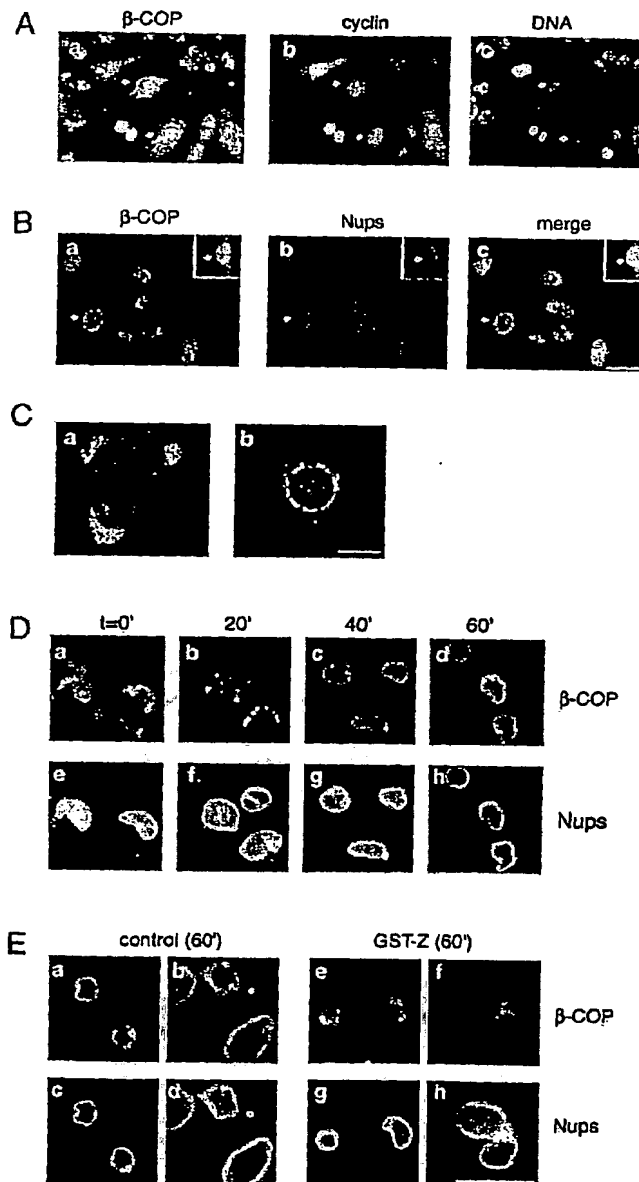


FIG. 11

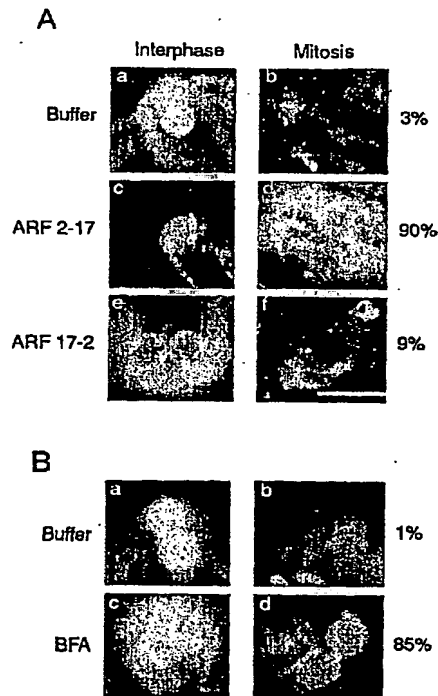


FIG. 12

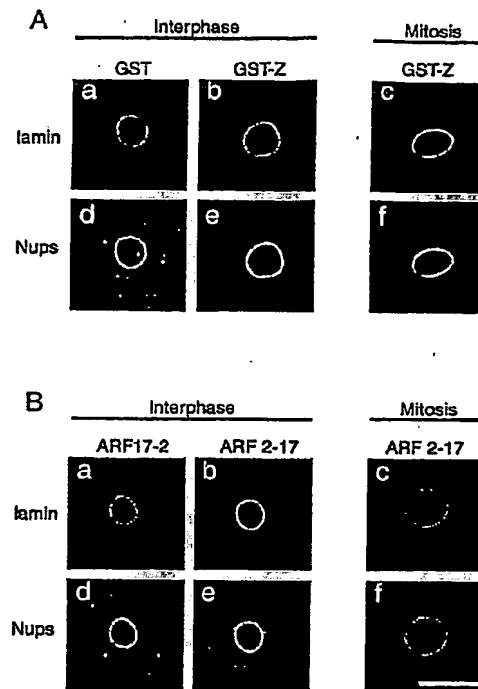


FIG. 13

ZINC FINGER COMPARISON

[illegible]

FIG. 14

THPFTHE
THPFTHE
THPFTHE
SSFAHSR
SSFAHSR
GEHVRPS
GEHVRPS
PGPHLPH
YNNQHLT
LAHHGTL
VQHNARS
TASLHFS
KPDSMPW
SRTTSSW
GPOS&KT

FIG. 15

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